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EXAMINER

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/530,030	<b>Applicant(s)</b> KANEGAE ET AL.	
	<b>Examiner</b> HENOK G. HEYI	<b>Art Unit</b> 2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 26-48 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 26-48 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 April 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Double Patenting*

1. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

2. Claims 26-28, 36, 38 and 40-44 are rejected on the ground of nonstatutory double patenting over claims 1-4 of U. S. Patent No. US 6,985,411 B2 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, as follows:

Present Application 10/509,461	US 6,985,411 B2
26. An information record medium	1. An information recording

<p>comprising: a plurality of content informations; a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the plurality of content informations; and title information designating at least one play list set, which corresponds to the content informations to be reproduced, from among the plurality of play list sets to reproduce the plurality of content informations as a title, the title being a logical information unit of the plurality of content informations.</p>	<p>medium on which one or a plurality of titles, each of which is a logically-grouped information unit, are recorded, comprising: an object data file for storing object data which constitutes a series of content information; a play list information file for storing a plurality of play list information which defines a reproduction sequence of the object data stored in said object data file by a unit of a play list which is logically accessible; and a disc information file for storing a plurality of information groups including, as reproduction control information for controlling the reproduction of said object data file, (i) play</p>
<p>28. The information record medium according to claim 27, wherein the title element includes, in addition to the first pointer information, at least one of (i) a first pre-command information to indicate a command to be executed before a reproduction of the content information whose reproduction</p>	

<p>sequence is defined by one play list set designated by the first pointer information, (ii) a first post command information to indicate a command to be executed after a reproduction of the content information whose reproduction sequence is defined by said one play list set and (iii) a first next information to designate a title element to be reproduced after the presently reproduced title element.</p>	<p>list specification information for specifying one play list information which defines the play list to be reproduced from among the plurality of play list information stored in said play list information file, (ii) Pre command information which indicates a command to be executed before the reproduction based on the one play list information, and (iii) Post command information which indicates a command to be executed after the reproduction based on the one play list information, the title being logically constructed by one or more than one of the plurality of information groups.</p>
<p>36. The information record medium</p>	<p>2. The information recording</p>

<p>according to claim 26, wherein each of the plurality of play list sets includes, in addition to the plurality of play list informations, an item definition table to define item information, the item information being a logically accessible reproduction unit and composing the content informations, and each of the plurality of play list informations defines the reproduction sequence of the content informations by a unit of the item information.</p>	<p>medium according to claim 1, wherein said disc information file stores the plurality of information groups in the format of a table for each title.</p>
<p>38. The information record medium according to claim 26, wherein a whole stream including a plurality of partial streams made of the plurality of content informations is multiplexed by a packet unit which is a physically accessible unit and stores pieces of the plurality of content informations, and relationship definition information defining a relationship between packets to be</p>	<p>3. The information recording medium according to claim 1, wherein the object data is constructed such that an entire stream including a plurality of portion streams, each of which comprises the content information, is multiplexed by a unit of packet, which is a physically accessible unit and</p>

<p>multiplexed and the plurality of partial streams is further recorded, as reproduction control information to control a reproduction of the plurality of content informations.</p>	<p>which stores therein a segment of the content information, said information recording medium further comprising an object information file for storing correspondence definition information which defines the correspondence relationship of a plurality of packets to be multiplexed and the plurality of portion streams as another reproduction control information for controlling the reproduction of said object data file.</p>
<p>40. An information record method comprising: a first record process of recording a plurality of content informations; a second record process of recording a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the</p>	<p>5. An information recording method of recording one or a plurality of titles, each of which is a logically-grouped information unit, onto an information recording medium, said method comprising: a first reading process of recording an</p>

<p>plurality of content informations; and a third record process of recording title information designating at least one play list set, which corresponds to the content information to be reproduced, from among the plurality of play list sets to reproduce the content information as a title, the title being a logical information unit of the content information.</p>	<p>object data file for storing object data which constitutes a series of content information; a second recording process of recording a play list information file for storing a plurality of play list information which defines a reproduction sequence of the object data stored in said object data file by a unit of a play list which is logically accessible; and a third recording process of recording a disc information file for storing a plurality of information groups including, as reproduction control information for controlling the reproduction of said object data file, (i) play list specification information for specifying one play list information which defines the</p>
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	<p>play list to be reproduced from among the plurality of play list information stored in said play list information file, (ii) Pre command information which indicates a command to be executed before the reproduction based on the one play list information, and (iii) Post command information which indicates a command to be executed after the reproduction based on the one play list information, the title being logically constructed by one or more than one of the information groups.</p>
<p>41. An information reproduction apparatus for reproducing the information record medium according to claim 26, said apparatus comprising: a reproduction device capable of</p>	<p>4. An information recording apparatus for recording one or a plurality of titles, each of which is a logically-grouped information unit, onto an</p>

reproducing the plurality of content informations, the plurality of play list sets and the title information; and a control device for (i) selecting at least one play list set designated by the title information reproduced by the reproduction device, from among the plurality of play list sets reproduced by the reproduction device and (ii) controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by one play list information defining the reproduction sequence of the content information to be reproduced, from among the plurality of play list informations included in the selected play list set.	information recording medium, said apparatus comprising: a first reading device for recording an object data file for storing object data which constitutes a series of content information; a second recording device for recording a play list information file for storing a plurality of play list information which defines a reproduction sequence of the object data stored in said object data file by a unit of a play list which is logically accessible; and a third recording device for recording a disc information file for storing a plurality of information groups including, as reproduction control information for controlling the reproduction of
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	<p>said object data file, (i) play list specification information for specifying one play list information which defines the play list to be reproduced from among the plurality of play list information stored in said play list information file, (ii) Pre command information which indicates a command to be executed before the reproduction based on the one play list information, and (iii) Post command information which indicates a command to be executed after the reproduction based on the one play list information, the title being logically constructed by one or more than one of the information groups.</p>
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Regarding claims 26 and 28 of the current application, what is being claimed is very similar to claim 1 of US 6,985,411 B2. These claims are obvious variants of each other because they both are claiming a recording medium comprising content information, playlist and title information designating at least one play list set.

Regarding claim 36, the recording medium being claimed is obvious variant of claim 2 of US 6,985,411 B2 because content information is being organized in a table format in both cases.

Regarding claim 40, the three processes that are being claimed are obvious variants of the three recording processes in the recording method of claim 5 of US 6,985,411 B2. These claims are obvious because they both claim a first process of recording content information, a second process of recording playlist and a third process of recording other related information.

Regarding claims 41-44, the reproduction device and the control device comprised by the reproduction apparatus is obvious variant of the patented apparatus of US 6,985,411 B2 because they both are used for reproducing content information with playlist sets and title information.

### ***Claim Rejections - 35 USC § 101***

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 46-48 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. In these three claims, what is being claimed is a computer program and a data structure which is a non-statutory subject matter.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 26-48 are rejected under 35 U.S.C. 102(b) as being anticipated by Murase et al. US 6,285,826 B1 (Murase hereinafter).

Regarding claim 26, Murase teaches an information record medium (see Fig. 1) comprising: a plurality of content informations (FIG. 1 shows the physical sector address area of the disc, and the structure whereby data is recorded to the disc as part of a file system); a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the plurality of content informations (Stores text information indicative of playlist content, para 11, lines 38-50); and title information designating at least one play list set, which corresponds to the content informations to be reproduced, from among the plurality of play list sets to reproduce the plurality of content informations as a title, the title being a logical information unit of the plurality of content informations (if the play list is a television program, PRM\_TXTI could record the name of the show, para 11 lines 38-50).

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Regarding claim 27, Murase teaches the information record medium according to claim 26, wherein the title information includes at least one title element, and the title element includes a first pointer information to designate at least one play list set corresponding to the content informations to be reproduced (playlist titles are shown in the middle column, such as "Fall in Oze" and "Concert". This information is stored to the PRM\_TXTI field of the playlist search pointer PL\_SRP in the playlist search pointer table PL\_SRPT written to the optical disc, col 26 lines 35-40).

Regarding claim 28, Murase teaches the information record medium according to claim 27, wherein the title element includes, in addition to the first pointer information, at least one of (i) a first pre-command information to indicate a command to be executed before a reproduction of the content information whose reproduction sequence is defined by one play list set designated by the first pointer information, (ii) a first post command information to indicate a command to be executed after a reproduction of the content information whose reproduction sequence is defined by said one play list set and (iii) a first next information to designate a title element to be reproduced after the presently reproduced title element (The track buffer 7807, decoder 7806, and output section 7805 are initialized by a command from the system controller 7802. The system controller 7802 then instructs the disc drive to seek the start address of the AV data in the first VOB of the selected program, para 27 lines 13-17).

Regarding claim 29, Murase teaches the information record medium according to claim 28, wherein one play list information defining the reproduction sequence of the content information to be reproduced is selected by the first pre-command information,

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from among the plurality of play list informations included in a same play list (Stores the PGC number for the associated playlist. The PGC number is the recording sequence of PGC information, col 11 lines 30-33).

Regarding claim 30, Murase teaches the information record medium according to claim 26, further comprising first pre-command information for selecting one play list information defining the reproduction sequence of the content information to be reproduced, from among the plurality of play list informations included in a same play list (Stores the PGC number for the associated playlist. The PGC number is the recording sequence of PGC information, col 11 lines 30-33).

Regarding claim 31, Murase teaches the information record medium according to claim 27, wherein attribute information indicating an inherent attribute is added to each of the plurality of play list informations included in a same play list set, and the title element further includes a selectable flag indicating that one of the plurality of play list informations included in the same play list is selectable depending on the attribute information (The Application Flag is recorded for the sub picture attributes. This field is the same as SP\_ATR described above with reference to M\_VOB\_STI, col 18 lines 19-22).

Regarding claim 32, Murase teaches the information record medium according to claim 27, wherein the title element further includes selection condition information indicating a selection condition about each of the plurality of play list informations included in a

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same play list set (FIG. 41 is used to describe to first exemplary play list presentation and selection screen).

Regarding claim 33, Murase teaches the information record medium according to claim 29, wherein any one of the plurality of play list informations included in the same play list set defines the reproduction sequence of content information capable of composing a same title (If information indicative of the playlist content is recorded as the optional IT\_TXT block in addition to the above-noted primary text, the IT\_TXT\_SRP number is stored as a link to the IT\_TXT recorded in TXTDT\_MG. This IT\_TXT\_SRP number is the recording sequence in TXTDT\_MG, described below, col 11 line 44-49).

Regarding claim 34, Murase teaches the information record medium according to claim 26, wherein each play list information includes at least one play list element, the play list element includes a second pointer information to designate item information, which is logically accessible reproduction unit and composes the content information (The play list search pointer table PL\_SRPT records play list search pointer table information PL\_SRPTI and n play list search pointer PL\_SRP, col 11 lines 7-10).

Regarding claim 35, Murase teaches the information record medium according to claim 34, wherein the play list element includes, in addition to the second pointer information (The play list search pointer table PL\_SRPT records play list search pointer table information PL\_SRPTI and n play list search pointer PL\_SRP, col 11 lines 7-10), at least one of (i) a second pre-command information to indicate a command to be executed before a reproduction of one item information designated by the second



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pointer information, (ii) a second post command information to indicate a command to be executed after the reproduction of said one item information, and (iii) a second next information to designate a play list element to be reproduced after the presently reproduced play list element (The track buffer 7807, decoder 7806, and output section 7805 are initialized by a command from the system controller 7802. The system controller 7802 then instructs the disc drive to seek the start address of the AV data in the first VOB of the selected program, para 27 lines 13-17).

Regarding claim 36, Murase teaches the information record medium according to claim 26, wherein each of the plurality of play list sets includes, in addition to the plurality of play list informations, an item definition table to define item information, the item information being a logically accessible reproduction unit and composing the content informations, and each of the plurality of play list informations defines the reproduction sequence of the content informations by a unit of the item information (playlist titles are shown in the middle column, such as "Fall in Oze" and "Concert". This information is stored to the PRM\_TXTI field of the playlist search pointer PL\_SRP in the playlist search pointer table PL\_SRPT written to the optical disc, col 26 lines 35-40).

Regarding claim 37, Murase teaches the information record medium according to claim 34, wherein the item information comprises information, which defines a reproduction start address of the content information as in-point information and defines reproduction end address of the content information as out-point information (start and end address col 10 lines 49 to col 11 line 19).

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Regarding claim 38, Murase teaches the information record medium according to claim 26, wherein a whole stream including a plurality of partial streams made of the plurality of content informations is multiplexed by a packet unit which is a physically accessible unit and stores pieces of the plurality of content informations, and relationship definition information defining a relationship between packets to be multiplexed and the plurality of partial streams is further recorded, as reproduction control information to control a reproduction of the plurality of content informations (The resulting compressed video and audio streams are multiplexed to a single stream using a method known as the MPEG system. FIG. 37 shows the organization of an MPEG system stream. As shown in FIG. 37, each 2 KB sector comprises a pack header 41, packet header 42, and payload 43. The MPEG system thus has a hierarchical structure comprising packs and packets. Each packet comprises a packet header 42 and payload 43, col 3 lines 38-46).

Regarding claim 39, Murase teaches an information record apparatus (see Fig. 34) comprising: a first record device for recording a plurality of content informations (FIG. 1 shows the physical sector address area of the disc, and the structure whereby data is recorded to the disc as part of a file system); a second record device for recording a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the plurality of content informations (Stores text information indicative of playlist content, para 11, lines 38-50); and a third record device for recording title information designating at least one play list set, which corresponds to the content information to be reproduced, from among the plurality of play list sets to reproduce the content information as a title, the title being a logical information unit of

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the content information informations (if the play list is a television program, PRM\_TXTI could record the name of the show, para 11 lines 38-50).

Regarding claim 40, Murase teaches an information record method comprising: a first record process of recording a plurality of content informations (FIG. 1 shows the physical sector address area of the disc, and the structure whereby data is recorded to the disc as part of a file system); a second record process of recording a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the plurality of content informations (Stores text information indicative of playlist content, para 11, lines 38-50); and a third record process of recording title information designating at least one play list set, which corresponds to the content information to be reproduced, from among the plurality of play list sets to reproduce the content information as a title, the title being a logical information unit of the content information (if the play list is a television program, PRM\_TXTI could record the name of the show, para 11 lines 38-50).

Regarding claim 41, Murase teaches an information reproduction apparatus (see Fig. 34) for reproducing the information record medium according to claim 26, said apparatus comprising: a reproduction device capable of reproducing the plurality of content informations, the plurality of play list sets and the title information (The titles contained in the playlist are recorded in primary text information PRM\_TXTI, col 26 lines 15-18); and a control device for (i) selecting at least one play list set designated by the title information reproduced by the reproduction device, from among the plurality of play list sets reproduced by the reproduction device and (ii) controlling the reproduction

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device to reproduce the content information in accordance with the reproduction sequence defined by one play list information defining the reproduction sequence of the content information to be reproduced, from among the plurality of play list informations included in the selected play list set (It should be noted that this play list defining process can be accomplished by means of the system controller 7802 operating in conjunction with user interface 7801 shown in FIG. 40, col 23 lines 64-67).

Regarding claim 42, Murase teaches an information reproduction apparatus (see Fig. 34) for reproducing the information record medium according to claim 29, said apparatus comprising: a reproduction device capable of reproducing the plurality of content informations, the plurality of play list sets and the title information (The titles contained in the playlist are recorded in primary text information PRM\_TXTI, col 26 lines 15-18); and a control device for (i) selecting at least one play list set designated by the title information reproduced by the reproduction device, from among the plurality of play list sets reproduced by the reproduction device and (ii) controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by one play list information defining the reproduction sequence of the content information to be reproduced (It should be noted that this play list defining process can be accomplished by means of the system controller 7802 operating in conjunction with user interface 7801 shown in FIG. 40, col 23 lines 64-67), from among the plurality of play list informations included in the selected play list set, wherein the control device selects said one play list information from among the plurality of play list informations included in the selected play list set, on the basis of the first pre-command

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information (The track buffer 7807, decoder 7806, and output section 7805 are initialized by a command from the system controller 7802. The system controller 7802 then instructs the disc drive to seek the start address of the AV data in the first VOB of the selected program, para 27 lines 13-17).

Regarding claim 43, Murase teaches an information reproduction apparatus (see Fig. 34) for reproducing the information record medium according to claim 31, said apparatus comprising: a reproduction device capable of reproducing the plurality of content informations, the plurality of play list sets and the title information (The titles contained in the playlist are recorded in primary text information PRM\_TXTI, col 26 lines 15-18); and a control device for (i) selecting at least one play list set designated by the title information reproduced by the reproduction device, from among the plurality of play list sets reproduced by the reproduction device (It should be noted that this play list defining process can be accomplished by means of the system controller 7802 operating in conjunction with user interface 7801 shown in FIG. 40, col 23 lines 64-67) and (ii) controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by one play list information defining the reproduction sequence of the content information to be reproduced, from among the plurality of play list informations included in the selected play list set (The track buffer 7807, decoder 7806, and output section 7805 are initialized by a command from the system controller 7802. The system controller 7802 then instructs the disc drive to seek the start address of the AV data in the first VOB of the selected program, para 27 lines 13-17), wherein the control device selects said one play list information from among the

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plurality of play list informations included in the selected play list set, on the basis of the attribute information, if it is indicated by the selectable flag that the play list information is selectable (The Application Flag is recorded for the sub picture attributes. This field is the same as SP\_ATR described above with reference to M\_VOB\_STI, col 18 lines 19-22).

Regarding claim 44, Murase teaches an information reproduction apparatus (see Fig. 34) for reproducing the information record medium according to claim 32, said apparatus comprising: a reproduction device capable of reproducing the plurality of content informations, the plurality of play list sets and the title information (The titles contained in the playlist are recorded in primary text information PRM\_TXTI, col 26 lines 15-18); and a control device for (i) selecting at least one play list set designated by the title information reproduced by the reproduction device, from among the plurality of play list sets reproduced by the reproduction device (It should be noted that this play list defining process can be accomplished by means of the system controller 7802 operating in conjunction with user interface 7801 shown in FIG. 40, col 23 lines 64-67) and (ii) controlling the reproduction device to reproduce the content information in accordance with the reproduction sequence defined by one play list information defining the reproduction sequence of the content information to be reproduced, from among the plurality of play list informations included in the selected play list set, wherein the control device selects said one play list information from among the plurality of play list informations included in the selected play list set, on the basis of the selection condition information (The track buffer 7807, decoder 7806, and output section 7805 are

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initialized by a command from the system controller 7802. The system controller 7802 then instructs the disc drive to seek the start address of the AV data in the first VOB of the selected program, para 27 lines 13-17).

Regarding claim 45, Murase teaches an information reproduction method of reproducing the information record medium according to claim 26, said method implemented with an information reproduction apparatus comprising a reproduction device capable of reproducing the plurality of content informations, the plurality of play list sets and the title information (The titles contained in the playlist are recorded in primary text information PRM\_TXTI, col 26 lines 15-18);, said method comprising: a first control process of selecting at least one play list set designated by the title information reproduced by the reproduction device, from among the plurality of play list sets reproduced by the reproduction device and a second control process of controlling the reproduction device to reproduce the plurality of content informations in accordance with the reproduction sequence defined by one play list information defining the reproduction sequence of the content information to be reproduced, from among the plurality of play list informations included in the selected play list set (The track buffer 7807, decoder 7806, and output section 7805 are initialized by a command from the system controller 7802. The system controller 7802 then instructs the disc drive to seek the start address of the AV data in the first VOB of the selected program, para 27 lines 13-17).

Regarding claim 46, Murase teaches a computer program for a record control to control a computer disposed at the information record apparatus according to claim 39, said program making the computer function as at least a part of the first record device, the

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second record device and the third record device (It should be noted that this play list defining process can be accomplished by means of the system controller 7802 operating in conjunction with user interface 7801 shown in FIG. 40, col 23 lines 64-67).

Regarding claim 47, Murase teaches a computer program for a reproduction control to control a computer disposed at the information reproduction apparatus according to claim 41, said program making the computer function as at least a part of the reproduction device and the control device (It should be noted that this play list defining process can be accomplished by means of the system controller 7802 operating in conjunction with user interface 7801 shown in FIG. 40, col 23 lines 64-67).

Regarding claim 48, Murase teaches a data structure including a control signal, said structure comprising: a plurality of content informations; a plurality of play list sets each including a plurality of play list informations defining reproduction sequence of the plurality of content informations; and title information designating at least one play list set, which corresponds to the content informations to be reproduced, from among the plurality of play list sets to reproduce the plurality of content informations as a title, the title being a logical information unit of the plurality of content informations (The titles contained in the playlist are recorded in primary text information PRM\_TXTI, col 26 lines 15-18).

**Contact**



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Any inquiry concerning this communication or earlier communications from the examiner should be directed to HENOK G. HEYI whose telephone number is (571)270-1816. The examiner can normally be reached on Monday to Friday 8:30 to 5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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